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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/032,177 12/21/2001		Michael Steven Schlansker	10991451-1	6160	
7590 09/17/2004			EXAMINER		
	ACKARD COMPANY	KIM, KENNETH S			
Intellectual Property Administration P.O. Box 272400 Fort Collins, CO 80528-9599			ART UNIT	PAPER NUMBER	
			2111		

DATE MAILED: 09/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.		Applicant(s)		<0			
Office Action Summary		10/032,177 Examiner		SCHLANSKER, MICHAEL		0			
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		Kenneth S KI	N4	2111					
	The MAILING DATE of this communication app				ldress				
Period fo				,					
THE I - Exter after - If the - If NC - Failu Any I	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing end patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, h y within the statutory will apply and will exp , cause the application	nowever, may a reply be tim minimum of thirty (30) days pire SIX (6) MONTHS from on to become ABANDONEI	nely filed s will be considered timel the mailing date of this o D (35 U.S.C. § 133),	ly. ommunication.				
Status									
1)[Responsive to communication(s) filed on 16 August 2004.								
2a) <u></u>	This action is FINAL . 2b)⊠ This action is non-final.								
3)	, _								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Dispositi	ion of Claims								
4)⊠	Claim(s) 1-24 is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
	i) Claim(s) 1-11 is/are allowed.								
·	⊠ Claim(s) 12-24 is/are rejected.								
7)	Claim(s) is/are objected to.			KENNETH S					
8)□	Claim(s) are subject to restriction and/or	r election requ	irement.	PRIMARY EXAM	MINER				
Applicati	ion Papers			4.					
	The specification is objected to by the Examine	,							
	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
ـــر٠٠	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
	under 35 U.S.C. § 119								
	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents	s have been re	eceived.						
	3. Copies of the certified copies of the prior	rity documents	have been receive		Stage				
* 0	application from the International Bureau	-	• • • •	٠					
	See the attached detailed Office action for a list	or the certified	copies not receive	·u.					
Attachmen	t(s)								
_	ce of References Cited (PTO-892)	4)	☐ Interview Summary	(PTO-413)					
2) Notic	ce of Draftsperson's Patent Drawing Review (PTO-948)	es."	Paper No(s)/Mail Da	ate	O 152\				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 7/13/04. 5) Notice of Informal Patent Application (PTO-152) 6) Other:					U-10Z)				
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Page 2

Application/Control Number: 10/032,177

Art Unit: 2111

1. Claims 1-24 remain for examination.

2. Applicant is requested to indicate that Figs 2 and 3 are depictions of different super instructions in the specification.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claim 12-24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 12, it is not clear what is a super instruction and how a super instruction is executed.

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Application/Control Number: 10/032,177

Art Unit: 2111

6. Claim 12 is rejected under 35 U.S.C. 102(b) as being anticipated by Wolfe et al, "A variable instruction stream extension to the VLIW architecture", submitted by the applicant.

Wolfe et al teaches the invention as claimed in claim 12 including a data processing system (figs 2 and 5) for executing a super instruction according to machine cycles, said super instruction comprising a linear block of code including instruction sequences to be executed by each of a plurality of processing sections (page 8, example 1), one instruction for each machine cycle, the data processing system comprising a plurality of processing sections, each processing section comprising:

(a) a local memory (instruction memory; lambda) for storing instruction sequences that are to be executed by that processing section,

- (b) a function unit (functional unit; DP) for executing instructions stored in said local memory according to machine cycles, each function unit executing one instruction per machine cycle, and
- (c) a pointer (sequencer; S) containing a value defining the next instruction in said local memory to be executed by said function unit.
- 7. Claims 1-11 are allowed over the prior art of record.
- 8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth S KIM whose telephone number is (703) 305-9693. The examiner can normally be reached on M-F (8:30-17:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on (703) 305-4815. The fax phone numbers

Art Unit: 2111

for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

September 14, 2004

KENNETH S. KIM PRIMARY EXAMINER